

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18529

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 15/00, 15/09, 5/10, 15/63, 15/74
US CL : 435/320.1, 325, 252.3, 455, 471

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/320.1, 325, 252.3, 455, 471

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X | XU et al. Optimization of Transcriptional Regulatory Elements for Constructing Plasmid Vectors. July 2001, Vol. 272, No. 1-2, pages 149-156, especially Figures 2 and 4, and sections 2.3 and 3.2. | 1, 8, 12, 15, 16, 22 |
| --- | | ----- |
| Y | | 7, 17, 18, 23-25 |
| X | US 6,534,482 (FIKES et al) 18 March 2003 (18.03.2003), especially columns 12, 22-24, 30-32 and 36. | 1-3, 8, 12, 15 |
| --- | | ----- |
| Y | | 7, 17, 18, 23-25 |
| Y | WANG et al. L523S, An RNA-Binding Protein as a Potential Therapeutic Target for Lung Cancer. March 2003, Vol. 88, No. 6, pages 887-894. | 7, 23-25 |
| Y | US 5,547,932 (CURIEL et al) 20 August 1996 (20.08.1996), especially column 36. | 24, 25 |
| A | GARMORY et al. DNA Vaccines: Improving Expression of Antigens. Genetic Vaccines and Therapy (http://www.gvt-journal.com/content/1/1/2) September 2003, Vol. 1, page 2. | 1-25 |

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"E" earlier application or patent published on or after the international filing date

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"O" document referring to an oral disclosure, use, exhibition or other means

"&"

document member of the same patent family

"P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search

03 March 2005 (03.03.2005)

Date of mailing of the international search report

22 MAR 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Authorized officer

Jennifer Dunston

Telephone No. 571-272-0507

Faxsimile No. (703) 305-3230

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/18529

Continuation of B. FIELDS SEARCHED Item 3:
EAST, MEDLINE EMBASE, BIOSIS, CAPLUS, UNIPROT, PIR_79, GENEMBL

search terms: SEQ ID NO: 3, SEQ ID NO: 6, cmv, promoter, enhancer, intron A, immediate early, polya, polyadenylation, cancer vaccine, L523S, pCRXA20